

ABSTRACT

A winch for cargo tie-down straps to tie down straps comprising a winch frame having a frame securing segment and a pair of integrally extending flanges;
a winch drum rotatably mounted between said flanges;
a pawl and ratchet mechanism attached at a longitudinal end of the winch frame;
a fixed gear extending from an opposed longitudinal end of the winch drum;
a free gear extending axially from the fixed gear;
a worm gear mounted within a worm gear frame for driving a driving disc, the driving disc being adapted to selectively engage said fixed and free gears, depending on the positioning of the worm gear frame relative to a worm gear frame mounting assembly extending from the winch frame.